



58994.ST25

#23/E

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TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Goulmy, Elsa

<120> METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN HA-1

<130> 58994

<140> 09/269,250

<141> 1999-05-21

<160> 38

<170> PatentIn version 3.1

<210> 1

<211> 377

<212> DNA

<213> Human

<400> 1

gtgagagcca cggggacacc gagggctggg tggaaagacag agccagaccc aaggaggat
60ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt
120gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttg tggggagtc
180cctgagcgta cactggctca agagggtgcc cactttat tttaaagg atctgatggc
240aattaggagg gaaaggcaga gaaaaatgtcc catgcacagg ctcagaaaca cggaaacaga
300gaatgcattt gggggccaag gtgtgggtg ccgctggtgtt aggatgaagg catgacaacg
360

ccagggcagaa gggcaat

377

<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 2
gtgctgcctc ctggacactg
20

<210> 3
<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 3
tggctctcac cgtcatgcag
20

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 4
tggctctcac cgtcacgcaa
20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 5
gcattctctg tttccgtgtt
20

<210> 6
<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 6
cttaaggagt gtgtgctgca
20

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 7
cttaaggagt gtgtgttgcg
20

<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 8
gctgtcatgg cctcttccac
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<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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<400> 9
gcattctcttg tttccgtgtt
20

<210> 10
<211> 20
<212> DNA
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<220>
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<400> 10
ggcagagagc cctcgcgacc
20

<210> 11
<211> 18
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 11
gtgtgttgcg tgacggtg
18

<210> 12

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 12

gtgtgttgcg tgacg

15

<210> 13

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 13

tgtgtgttgc gtgacg

16

<210> 14

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 14

tgtgtgtctgc atgacggtg

19

<210> 15

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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tgtgtgctgc atgacggt

18

<210> 16

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 16

gtgtgctgca tgacggtg

18

<210> 17

<211> 27

<212> DNA

<213> Artificial Sequence

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<222> (1) .. (27)

<223>

<400> 17

gtg ttg cgt gac gac ctc ctt gag gcc

27

Val Leu Arg Asp Asp Leu Leu Glu Ala

<210> 18
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon Fragments

<400> 18

Val Leu Arg Asp Asp Leu Leu Glu Ala
1 5

<210> 19
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon Fragments

<220>
<221> CDS
<222> (1)..(27)
<223>

<400> 19
gtg ctg cat gac gac ctc ctt gag gcc
27

Val Leu His Asp Asp Leu Leu Glu Ala

1 5

<210> 20
<211> 9
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon Fragments

<400> 20

Val Leu His Asp Asp Leu Leu Glu Ala

1 5

<210> 21

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon Fragments

<400> 21

gtgttgcgtg acggtgagag cca

23

<210> 22

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon Fragments

<400> 22

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37

<210> 23

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 23

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33

<210> 24

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 24

ctacttcagg ccacagcaat cgtctccagg
30

<210> 25

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Product

<220>

<221> CDS

<222> (1)..(39)

<223>

<400> 25

gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc
39

Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg

<210> 26
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Product

<400> 26

Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 27
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Product

<220>
<221> CDS
<222> (1) .. (39)
<223>

<400> 27
gag tgt gtg ctg cat gac gac ctc ctt gag gcc cgcc cgcc
39
Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 28
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Product

<400> 28

Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 29

<211> 9

<212> PRT

<213> Human

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> Xaa represents a histidine (H) or an arginine (R) residue

<400> 29

Val Leu Xaa Asp Asp Leu Leu Glu Ala
1 5

<210> 30

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 30

gctcctgcat gacgctctgt ctgca

25

<210> 31

<211> 24

<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 31
gacgtcgatcg aggacatctc ccat
24

<210> 32
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 32
gaaggccaca gcaatcgatcc ccagg
25

<210> 33
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 33
ccttgagaaaa cttaaggagt gtgtgctgca
30

<210> 34
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 34

ccttgagaaa cttaaggagt gtgtgttgcg
30

<210> 35
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Product

<220>
<221> CDS
<222> (1)..(78)
<223>

<400> 35
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48
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val

1 5 10 15

ctg cat gac gac ctc ctt gag gcc cgcc
78
Leu His Asp Asp Leu Leu Glu Ala Arg Arg

20 25

<210> 36
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Product

<400> 36

Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val
1 5 10 15

Leu His Asp Asp Leu Leu Glu Ala Arg Arg
20 25

E³ cont'd
<210> 37
<211> 9
<212> PRT
<213> Human

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa represents Isoleucine or Leucine

<400> 37

Tyr Xaa Thr Asp Arg Val Met Thr Val
1 5

<210> 38
<211> 8
<212> PRT
<213> HUMAN

<400> 38

Val Leu His Asp Leu Leu Glu Ala
1 5